

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

Completed by: Ben Markin

GENERAL INFORMATION:

Name:	Austin, Nichols & Co., Incorporated	
Address:	(distillery)	(warehouse)
	1525 Tyrone Road	1225 Bonds Mill Road
	Lawrenceburg, KY 40342	Lawrenceburg, KY 40342
	Anderson County	Anderson County
Date application received:	August 1, 2003	
SIC/Source description:	2085/Distilled Spirits Manufacturing	
Source ID #:	21-005-00003 and 21-005-00007	
Source AI #:	28	
Activity #:	APE20050001	
Permit number:	V-03-038 R1	

APPLICATION TYPE/PERMIT ACTIVITY:

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input checked="" type="checkbox"/> Permit modification	<input type="checkbox"/> Conditional major
__Administrative	<input checked="" type="checkbox"/> Title V
_X_Minor	<input type="checkbox"/> Synthetic minor
__Significant	<input checked="" type="checkbox"/> Operating
<input checked="" type="checkbox"/> Permit renewal	<input type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input checked="" type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:017, 1(23)(b) or 51:052,1(14)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☐ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☒ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	Actual (tpy)	Potential (tpy)
PM	18.3	84.4
SO ₂	58.4	168.3
NO _x	26.6	106.1
CO	26.5	100.6
VOC	603.3 + 215.0	2044.2

CURRENT PERMITTING ACTION-*Minor Modification*

Applications to modify their operating permit application were received from Austin, Nichols & Co. Incorporated on March 29, 2005. The facility modification includes installation of three 40,000 (120,000) barrels to the Bourbon Aging Warehouses at the distillery in Lawrenceburg, Kentucky. This will increase the maximum raw material processing rate for Emission Unit 4001 from 215,487 barrels per year to 335,487 barrels per year. Emissions from the modification will be 414 tons per year fugitive volatile organic compounds (VOC). Calculation for the emissions was based on the emission factor of 6.9 lbs of VOC/barrel/year, AP-42 Table 9.12.3-1. The addition of the three 40,000, each barrels does not trigger a prevention of significant deterioration (PSD) review for the facility, nor is it a significant modification under Title I of the Clean Air Act. In accordance with 40 CFR 52.21 and 401 KAR 51:005, the maximum potential emissions for all regulated pollutants from the proposed unit were calculated based on 8760 hours per year.

PAST PERMITTING ACTION-SOURCE WIDE INITIAL TITLE V PERMIT:

Grain is unloaded from trucks and processed by a fermentation and distilling process into ethanol. Spent grain or stillage is removed as a mixture of water and grain or dried and loaded out as distillers dry grain. Ethanol is stored in barrels at the distillery and in barrels at an off-site warehouse. After an aging process, the aged bourbon is removed from the barrels, processed, bottled, labeled, and packaged in boxes. A natural gas furnace is on-site for supplying heated air to the spent grain dryer. There is also one coal-fired boiler and one natural gas-fired boiler for steam production.

EMISSION AND OPERATING CAPS DESCRIPTION:

As requested by the permittee and in order to insure non-applicability of 401 KAR 51:017 (Prevention of Significant Deterioration of Air Quality), the coal usage rate in combination with the sulfur content of the coal burned shall not cause emissions of sulfur dioxide to exceed 249 tons in any twelve (12) consecutive months.

OPERATIONAL FLEXIBILITY:

N/A